

A B S T R A C T

A DEVICE FOR APPLYING CONTROLLED AND ADJUSTABLE
COMPRESSION TO A LIMB

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A tubular sleeve (40) comprises an anterior portion
(16) of inextensible material that comes to bear against
the tibial ridge, and a posterior portion (18) of
extensible material covering the region to be compressed.
10 These two portions are connected together along two
connection generator lines (20). Inflatable balloons
(22) are disposed on the inside face of the anterior
portion, being interposed between the inextensible
material and the tibial crest. Means (24, 26, 28) are
15 provided for inflating each of the balloons differently
to a respective given pressure so as to apply deformation
to the anterior portion of the sleeve that is suitable
for inducing a traction force that is exerted on the
extensible posterior portion; this force is distributed
20 regularly along the generator lines and acts
perpendicularly thereto, and consequently leads to
compression action on the compressible region of the
limb.

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35 Translation of the title and the abstract as published by the PCT Authorities,
possibly after making changes, ex officio, e.g. under PCT Rules 37.2, 38.2, and/or
48.3.